

## EAST Search History

S1	52	(("20040141625") or ("5663534") or ("5218643") or ("5287413") or ("5702785") or ("6226927") or ("6873837") or ("20050153680") or ("6324294") or ("6377695") or ("5679934") or ("6062339") or ("4991433") or ("5218175") or ("20050111673") or ("4360875") or ("4573286") or ("4951727") or ("5369976") or ("5526675") or ("5765511") or ("5798688") or ("6040761") or ("6060700") or ("4258945") or ("4287997") or ("4324434") or ("4342355") or ("4357046") or ("4358238") or ("4359714") or ("4417764") or ("4433759") or ("4433505") or ("4460035") or ("4463296") or ("4519443") or ("4541258") or ("4561211") or ("4589463") or ("4599031") or ("4621435") or ("4630858") or ("4756571") or ("4768088") or ("4768277") or ("4793284") or ("4840773") or ("4850142") or ("4852798")).PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2007/04/05 15:21
S2	1	("5663534").PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2007/03/30 12:27
S3	5	"5663534"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/03/30 12:27
S4	109154	(CAR OR vehicle) same door \$4speaker\$1 same resonant same (second adj cavity)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/10 09:14
S5	1	(CAR OR vehicle) same door same \$4speaker\$1 same resonant same (second adj cavity)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/09 14:45
S6	1	(CAR OR vehicle) and door and \$4speaker\$1 and resonant and (second adj cavity)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/07 12:35
S7	47	(CAR OR vehicle) and door and \$4speaker\$1 and (second adj cavity)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/05 15:46

## EAST Search History

S8	11	S7 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/10 09:24
S9	2	("5193118") or ("5218175") or ("5218175").PN.	USPAT; USOCR	OR	OFF	2007/03/30 14:46
S10	2	("5193118") or ("5218175") or ("5218175").PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2007/03/30 14:47
S11	3	("5193118") or ("5218175") or ("5170435").PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2007/03/30 14:47
S12	9	("4493389"   "4924962").PN. OR ("5218175").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 15:22
S13	13	("4085289"   "4144416"   "4549631"   "4567959"   "4574391"   "4648117").PN. OR ("5193118").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 15:41
S14	20	("2301744"   "4628528"   "4924962").PN. OR ("5170435").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 15:44
S15	3	"6578658"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/03/30 16:30
S16	18	("4277653"   "4502149"   "4550796"   "4728143"   "4905860"   "5008944"   "5218175"   "5591946"   "5663534"   "5736689"   "5750942"   "5754664"   "5820191"   "5920039"   "5967585"   "5979590").PN. OR ("6578658").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 17:10
S17	3	("4728143") or ("5218175") or ("5663534").PN.	USPAT; USOCR	OR	OFF	2007/03/30 17:11
S18	1	((381/86).ccls.) and door and \$4speaker\$1 and (second adj cavity)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/03/30 17:14
S19	4	((381"/\$).ccls.) and door and \$4speaker\$1 and (second adj cavity)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/03/30 17:18

## EAST Search History

S20	3	(("181"/\$).ccls.) and door and \$4speaker\$1 and (second adj cavity)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/03/30 17:20
S21	2	(("181"/141).ccls.) and door and \$4speaker\$1 and (second adj cavity)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/03/30 17:20
S22	0	(("181"/148).ccls.) and door and \$4speaker\$1 and (second adj cavity)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/03/30 17:20
S23	1	(("181"/150).ccls.) and door and \$4speaker\$1 and (second adj cavity)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/03/30 17:23
S24	5	(("181"/150).ccls.) and \$4speaker\$1 and (second adj cavity)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/03/30 17:23
S25	14	(CAR OR vehicle) and (("381"/\$).ccls.) and \$4speaker\$1 and (second adj cavity)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/03/30 17:27
S26	10	S25 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/03 11:36
S27	4	(CAR OR vehicle) and (("181"/\$).ccls.) and \$4speaker\$1 and (second adj cavity)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/03/30 17:27
S28	4	(("2,917,127") or ("4,131,179") or ("4,905,860")).PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2007/04/03 11:34
S29	5	( vehicle or car or automobile) same resonant same cavity same (passenger adj compartment)	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/04/03 11:39
S30	2	S28 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/03 11:39
S31	5	( vehicle or car or automobile) same resonant same cavity same (passenger adj compartment)	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/04/03 11:39

## EAST Search History

S32	4	S31 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/03 11:39
S33	3	((KURT) near2 (LEIPOLD)).INV.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/05 11:20
S34	1	("5193118").PN.	US-PGPUB; USPAT; USOCR; EPO	OR	OFF	2007/04/05 15:12
S35	0	(two adj open\$3) same (seal\$3 adj lip) same compres\$3 same door same seal\$1 same (two adj cavit\$3) same outside	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/05 15:26
S36	0	(two adj open\$3) same (seal\$3 adj lip) same compres\$3 same door same seal\$1 same (two adj cavit\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/05 15:26
S37	0	(two adj open\$3) same (seal\$3 adj lip) same door same seal\$1 same (two adj cavit\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/05 15:27
S38	0	(two adj open\$3) and (seal\$3 adj lip) and door and seal\$1 and (two adj cavit\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/05 15:27
S39	1	(two adj opening) and (seal\$3 adj lip) and door and seal\$1 and (two adj cavit\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/05 15:28
S40	1	(two adj opening) and (seal\$3) and door and seal\$1 and (two adj cavit\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/05 15:28
S41	141	(opening) and (seal\$3) and door and seal\$1 and (two adj cavit\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/05 17:04
S42	99	S41 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/05 15:47
S43	279	(CAR OR vehicle) and door and (second adj cavity)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/05 15:46

## EAST Search History

S44	160	S43 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/05 15:48
S45	0	(("381"/\$).ccls.) and S43 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/05 15:47
S46	2	(("181"/\$).ccls.) and S43 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/05 15:47
S47	2	(car or vehicle or automobile) and door and (flexible adj (tube or pipe or hose)) and (second adj cavit\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/07 12:43
S48	49	(car or vehicle or automobile) and door and (flexible adj (tube or pipe or hose)) and (second adj (cavit\$3 or chamber))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/07 12:44
S49	32	S48 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/09 14:46
S50	19585	(CAR OR vehicle or automobile) and bellows	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/09 14:45
S51	5288	door same \$4speaker\$1	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/09 14:45
S52	28	S50 and S51 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/09 14:46
S53	1	( third adj (cavity or chamber)) same (outside adj door) same ( coupling adj device\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/09 16:55
S54	1	( third adj (cavity or chamber)) and (outside adj door) and ( coupling adj device\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/09 16:55
S55	1907	(CAR OR vehicle) and (second adj cavity)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/10 09:16

## EAST Search History

S56	989	((381/86 or 381/389).ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/10 09:16
S57	2023	((381/335-336 or 381/386 or 381/345).ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/10 09:17
S58	2177	(CAR OR vehicle or automobile) and (second adj cavity)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/10 09:28
S59	330	((381/304-305 or 381/302 or 381/332).ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/10 09:18
S60	1201	((381/150 or 381/152 or 381/162).ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/10 09:19
S61	1012	((381/165 or 381/349-351 or 381/162).ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/10 09:20
S62	1113	((181/148 or 181/141 or 381/150).ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/10 09:20
S63	852	((296/146.9 or 296/146.5).ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/10 09:21
S64	757	((49/502).ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/10 09:21
S65	0	S56 and S58 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/10 09:29
S66	4	S57 and S58 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/10 09:25
S67	0	S59 and S58 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/10 09:25

## EAST Search History

S68	0	S60 and S58 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/10 09:25
S69	1	S61 and S58 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/10 09:26
S70	3	S62 and S58 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/10 09:27
S71	0	S63 and S58 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/10 09:27
S72	2823	(CAR OR vehicle or automobile) and (third adj (chamber\$1 or cavit\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/10 09:28
S73	0	S56 and S72 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/10 09:29
S74	2	S57 and S72 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/10 09:29
S75	0	S59 and S72 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/10 09:30
S76	0	S60 and S72 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/10 09:30
S77	0	S61 and S72 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/10 12:04
S78	0	S62 and S72 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/10 09:30
S79	0	S63 and S72 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/10 09:30

## EAST Search History

S80	1694	S72 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/10 09:31
S81	145	door and S72 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/10 09:31
S82	16	door and \$4speaker\$1 and S72 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/10 09:35
S83	97	door and \$4speaker\$1 and bellows and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/10 12:01

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
		( passenger adj compartment) same (divid\$4 or saperat\$4) same (cavit\$4 or chamber\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/10 12:03
		(CAR OR vehicle or automobuile) and door and (flexible adj (tube or pipe or hose)) and and (second adj cavit\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/10 12:04
		(CAR OR vehicle or automobuile) and door and (flexible adj (tube or pipe or hose)) and and (second adj cavit\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/07 12:39
		(two adj open\$4) same (seal\$3 adj lip) same compres\$3 same door same seal\$1 same (two adj cavit\$3) same outside	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/05 15:26
		(two adj open\$4) same (seal\$3 adj lip) same compres\$3 same door same seal\$1 same (two adj cavit\$3) same "outside." " "	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/09 16:52
L1	181	( passenger adj compartment) same (divid\$4 or saperat\$4) same (cavit\$4 or chamber\$1)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/10 12:03
L2	144570	(CAR OR vehicle or automobuile) and door	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/10 12:04
L3	14	1 and 2 and @ay<="2002"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/04/10 12:04